

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (original): A method for transmitting and receiving wireless data comprising the steps of:

establishing a catalog of information related to an application data service;

adding header information by referring to the established catalog, and error detecting codes to application data; and

deciphering a header when data errors are detected by the error detecting codes added to the application data, and transmitting the application data to an upper ranking layer according to a quality of service if the deciphered value of the header belongs to the determined catalog.

2. (original): The method of claim 1, wherein the header information of each layer is added to the application data.

3. (original): The method of claim 1, wherein deciphering the header occurs while receiving the data.

4. (original): A method for transmitting wireless data comprising the steps of:  
establishing a catalog of information related to an application data service;  
establishing a payload, including the application data, and adding header information about the application data by referring to the established catalog; and  
adding error detecting codes to the payload, and performing channel-coding.

5. (original): A method for receiving wireless data in a wireless data system including a catalog of information related to an application data service, comprising the steps of:  
determining data errors in each layer using error detecting codes added to received data after channel-decoding the received data;  
deciphering header information in each layer when data errors are detected;  
transmitting data to an upper ranking layer according to the quality of service if the header information deciphered in each layer belongs to the catalog; and  
decoding the transmitted data.
6. (original): The method of claim 1, wherein the error detecting codes are added in a physical layer.
7. (original): The method of claim 2, wherein the error detecting codes are added in a physical layer.
8. (original): The method of claim 3, wherein the error detecting codes are added in a physical layer.
9. (original): The method of claim 4, wherein the error detecting codes are added in a physical layer.
10. (original): The method of claim 1, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes data information related to RLP and MUX sub layers.
11. (original): The method of claim 2, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes data information related to RLP and MUX sub layers.

12. (original): The method of claim 3, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes data information related to RLP and MUX sub layers.

13. (original): The method of claim 4, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes data information related to RLP and MUX sub layers.

14. (original): The method of claim 5, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes data information related to RLP and MUX sub layers.

15. (original): The method of claim 1, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes information related to the quality of service.

16. (original): The method of claim 2, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes information related to the quality of service.

17. (original): The method of claim 3, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes information related to the quality of service.

18. (original): The method of claim 4, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes information related to the quality of service.

19. (original): The method of claim 5, wherein the catalog is established during a previous transmission/reception of application data, said catalog includes information related to the quality of service.

20. (original): The method of claim 15, wherein the information related to the quality of service is a delay time value of the transmitted data or an error generation probability value of the transmitted data.

21. (original): The method of claim 16, wherein the information related to the quality of service is a delay time value of the transmitted data or an error generation probability value of the transmitted data.

22. (original): The method of claim 17, wherein the information related to the quality of service is a delay time value of the transmitted data or an error generation probability value of the transmitted data.

23. (original): The method of claim 18, wherein the information related to the quality of service is a delay time value of the transmitted data or an error generation probability value of the transmitted data.

24. (original): The method of claim 19, wherein the information related to the quality of service is a delay time value of the transmitted data or an error generation probability value of the transmitted data.

25. (original): The method of claim 1, further comprising a step of signaling null data to the upper ranking layer, if the header information deciphered in each layer does not exist in the catalog.

26. (original): The method of claim 2, further comprising a step of signaling null data to the upper ranking layer, if the header information deciphered in each layer does not exist in the catalog.

27. (original): The method of claim 3, further comprising a step of signaling null data to the upper ranking layer, if the header information deciphered in each layer does not exist in the catalog.

28. (original): The method of claim 5, further comprising a step of signaling null data to the upper ranking layer, if the header information deciphered in each layer does not exist in the catalog.

29. (original): The method of claim 1, further comprising a step of applying a predetermined standard of judgement according to a quality of service or a decoder of the application layer, when the data is transmitted to the upper ranking layer.

30. (original): The method of claim 2, further comprising a step of applying a predetermined standard of judgement according to a quality of service or a decoder of the application layer, when the data is transmitted to the upper ranking layer.

31. (original): The method of claim 3, further comprising a step of applying a predetermined standard of judgement according to a quality of service or a decoder of the application layer, when the data is transmitted to the upper ranking layer.

32. (original): The method of claim 5, further comprising a step of applying a predetermined standard of judgement according to a quality of service or a decoder of the application layer, when the data is transmitted to the upper ranking layer.

33. (original): The method of claim 29, wherein the predetermined standard of judgement is decided by referring to cyclic redundancy code (CRC) information calculated in a physical layer, header fields of each layer, and an initially established data service catalog.

34. (original): The method of claim 30, wherein the predetermined standard of judgement is decided by referring to cyclic redundancy code (CRC) information calculated in a physical layer, header fields of each layer, and an initially established data service catalog.

35. (original): The method of claim 31, wherein the predetermined standard of judgement is decided by referring to cyclic redundancy code (CRC) information calculated in a physical layer, header fields of each layer, and an initially established data service catalog.

36. (currently amended): The method of claim 29, wherein the predetermined standard of judgement is decided ~~according to the possibility of an~~based on whether error correction needs to be performed, as determined ~~in~~by the header fields.

37. (currently amended): The method of claim 30, wherein the predetermined standard of judgement is decided ~~according to the possibility of an~~based on whether an error correction needs to be performed, as determined ~~in~~by the header fields.

38. (currently amended): The method of claim 31, wherein the predetermined standard of judgement is decided ~~according to the possibility of an~~based on whether error correction needs to be performed, as determined ~~in~~by the header fields.

39. (original): An apparatus for transmitting and/or receiving wireless data comprising:

transmitting means for establishing a catalog of information related to an application data service, adding header information of each protocol layer by referring to a catalog , adding error

detecting codes to the application data, and transmitting the application data, including the header information and the error detecting codes; and

receiving means for deciphering a header if data errors are detected by the error detecting codes of the application data received from the transmitting means, and decoding the data according to a quality of service if the deciphered value belongs to the established catalog.